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NOTICE OF ALLOWANCE AND FEE(S) DUE

20457 7590 0428/2009 ANTONELLI, TERRY, STOUT & KRAUS, LLP

ANTONCELL, TERRY, STOOT & RRAOS, ELI 1310 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22200-3873

EXAMINER				
DENTZ, BERNARD I				
ART UNIT	PAPER NUMBER			
1625				

DATE MAILED: 04/28/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,545	07/28/2006	Kazuo Tanaka	396.46405X00	8916

TITLE OF INVENTION: PROCESS FOR PRODUCING CHROMAN COMPOUND

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/28/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includired below or directed oth	or transmitting the ISSU ig the Patent, advance or nerwise in Block 1, by (a	ders and publication of n specifying a new corres	ON FEE (if require naintenance fees will pondence address; a	d). Blocks I through 5 : I be mailed to the current nd/or (b) indicating a sep	should be completed where t correspondence address as arate "FEE ADDRESS" for
		iock 1 for any change of address)	Note Fee(pape have	e: A certificate of ma s) Transmittal. This or ers. Each additional p its own certificate of	ailing can only be used for certificate cannot be used paper, such as an assignmant f mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
1300 NORTH SI SUITE 1800	7590 04/28 TERRY, STOUT EVENTEENTH ST	& KRAUS, LLP		Certif	icate of Mailing or Tran	
ARLINGTON, V	/A 22209-3873					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	Α	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,545	07/28/2006		Kazuo Tanaka		396.46405X00	8916
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/28/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
DENTZ, BI		1625	549-405000			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	ondence address (or Cha 3/122) attached. ication (or "Fee Address' 2 or more recent) attach	inge of Correspondence "Indication form and Use of a Customer	2. For printing on the p (I) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent atto- listed, no name will be FHE PATENT (print or type	3 registered patent a vely, e firm (having as a m gent) and the names meys or agents. If no printed.	nember a 2	
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4a. The following fee(s): Issue Fee Publication Fee (N	o small entity discount p		D. Payment of Fee(s): (Plea A check is enclosed. Payment by credit can The Director is hereby overpayment, to Depo	d. Form PTO-2038 is	s attached.	shown above) eficiency, or credit any an extra copy of this form).
	s SMALL ENTITY state	as. See 37 CFR 1.27.			ENTITY status. Sec 37 C	
NOTE: The Issue Fee and interest as shown by the i	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	from anyone other than the Office.	he applicant; a registe	ered attorney or agent; or t	he assignee or other party in
Authorized Signature				Date		
Typed or printed name				Registration No.		
This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 min idual case. Any com r, U.S. Patent and Tr D THIS ADDRESS.	public which is to file (an nutes to complete, includi ments on the amount of ti ademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete sartment of Commerce, P.O. for Patents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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ANTONELLI, TERRY, STOUT & KRAUS, LLP		DENTZ, BI	ERNARD I	
	ENTEENTH STREET		ART UNIT	PAPER NUMBER
SUITE 1800 ARLINGTON, VA 22209-3873			1625 DATE MAILED: 04/28/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 578 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 578 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No.	Applicant(s)	
10/587,545	TANAKA ET AL.	
Examiner	Art Unit	
Daniel Danie	1005	

	10/00/1,040	IMMOVETAL.	
Notice of Allowability	Examiner	Art Unit	
	Bernard Dentz	1625	
The MAILING DATE of this communication appea All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-83) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	ars on the cover sheet with the OR REMAINS) CLOSED in this or other appropriate communic GHTS. This application is subj	s application. If not included ation will be mailed in due cours	
This communication is responsive to			
 The allowed claim(s) is/are <u>1-3,12,5-8,10,9, and 11 renumb</u> 	ered respectively as 1-11.		
	been received.		
Copies of the certified copies of the priority documents have			om the
International Bureau (PCT Rule 17.2(a)).	amenta nave been received in	this hational stage application if	OIII tile
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" c noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requirer	nents
 A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 			E OF
CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspersor 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date	on's Patent Drawing Review (I	,	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in th	84(c)) should be written on the de header according to 37 CFR 1	rawings in the front (not the back 121(d).) of
 DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F 			he
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)	5.		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 7-28-2007 	7. Examiner's Am	endment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. X Examiner's Sta	tement of Reasons for Allowand	е
or biological Material	9. 🔲 Other		

Application/Control Number: 10/587,545

Art Unit: 1625

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: At p. 1 of the specification after the title - -

BRIEF DESCRIPTION OF THE DRAWING

The Drawing represents the product that is produced by the instant process. - - has been inserted.

The following is an examiner's statement of reasons for allowance: The use of water in an amount by mole of 1-10 times that of the phenol to cause higher yields in the instant reaction, whereas the prior art did performed the reaction in the absence of exogenous water, renders the instant claims novel and unobvious.

The Drawing filed 7-28-2006 has been accepted.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance." Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernard Dentz whose

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Art Unit: 1625

telephone number is 571-272-0683. The examiner can normally be reached on Mon.-

Fri. 8AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Janet Andres can be reached on 571 272-0867. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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you have questions on access to the Private PAIR system, contact the Electronic

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner, Art Unit 1625

/ Bernard Dentz/